

Figure 1

Inventors: Jennifer H. LAI, et al  
Filing Date: April 30, 2001  
Attorney Docket No.: 22564-7002US  
Attorney: David W. Maher  
Title "Methods and Compositions for  
Polynucleotide Analysis Using Generic Capture  
Sequences" Sheet 2 of 15

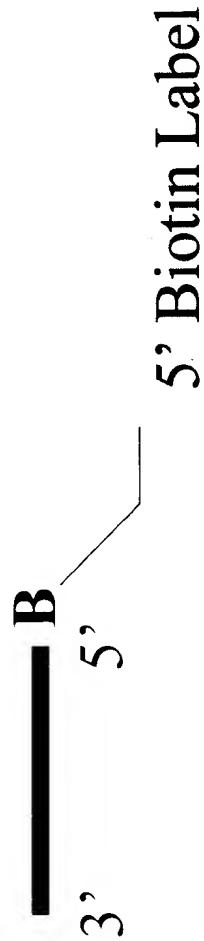


Figure 2

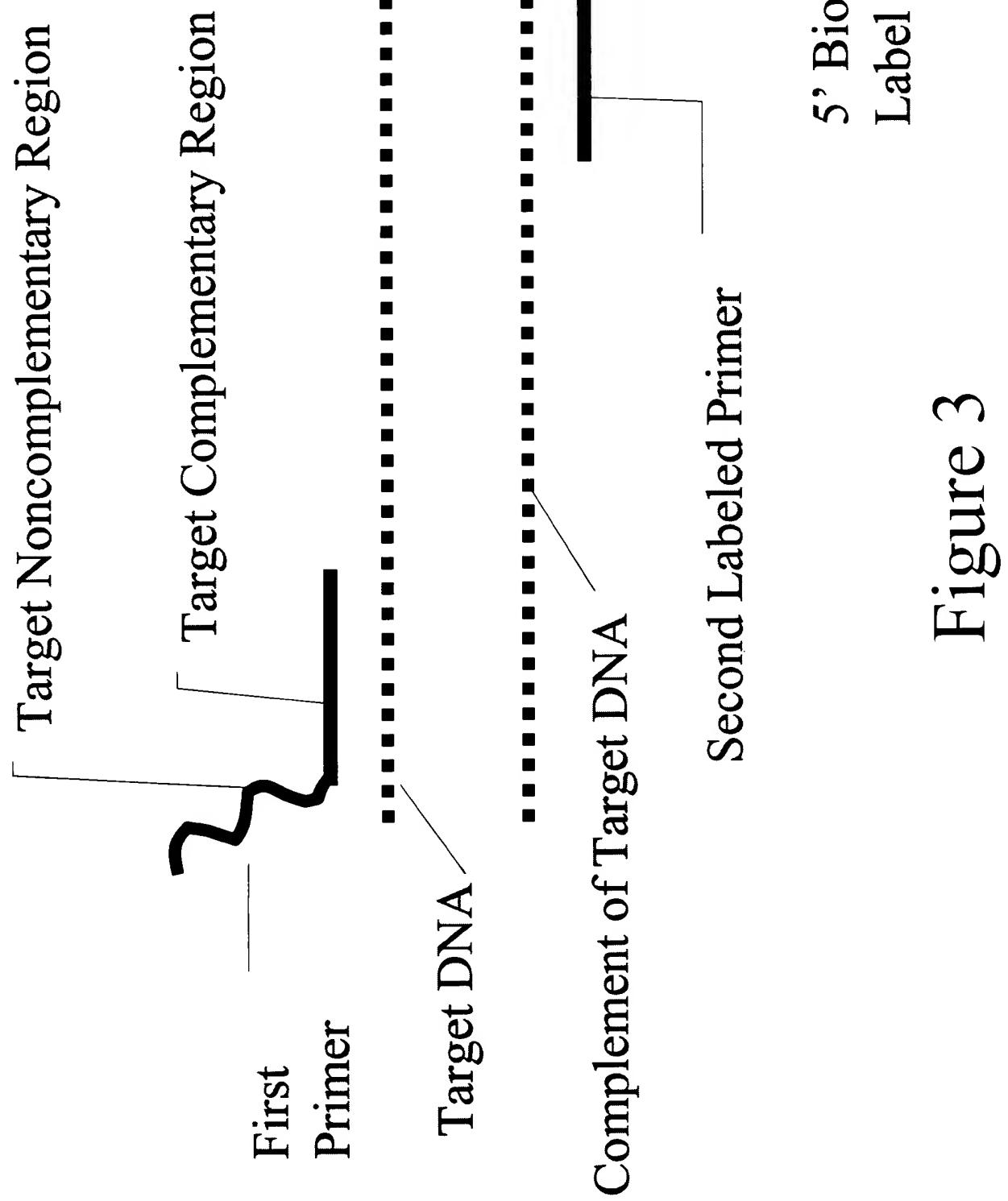


Figure 3

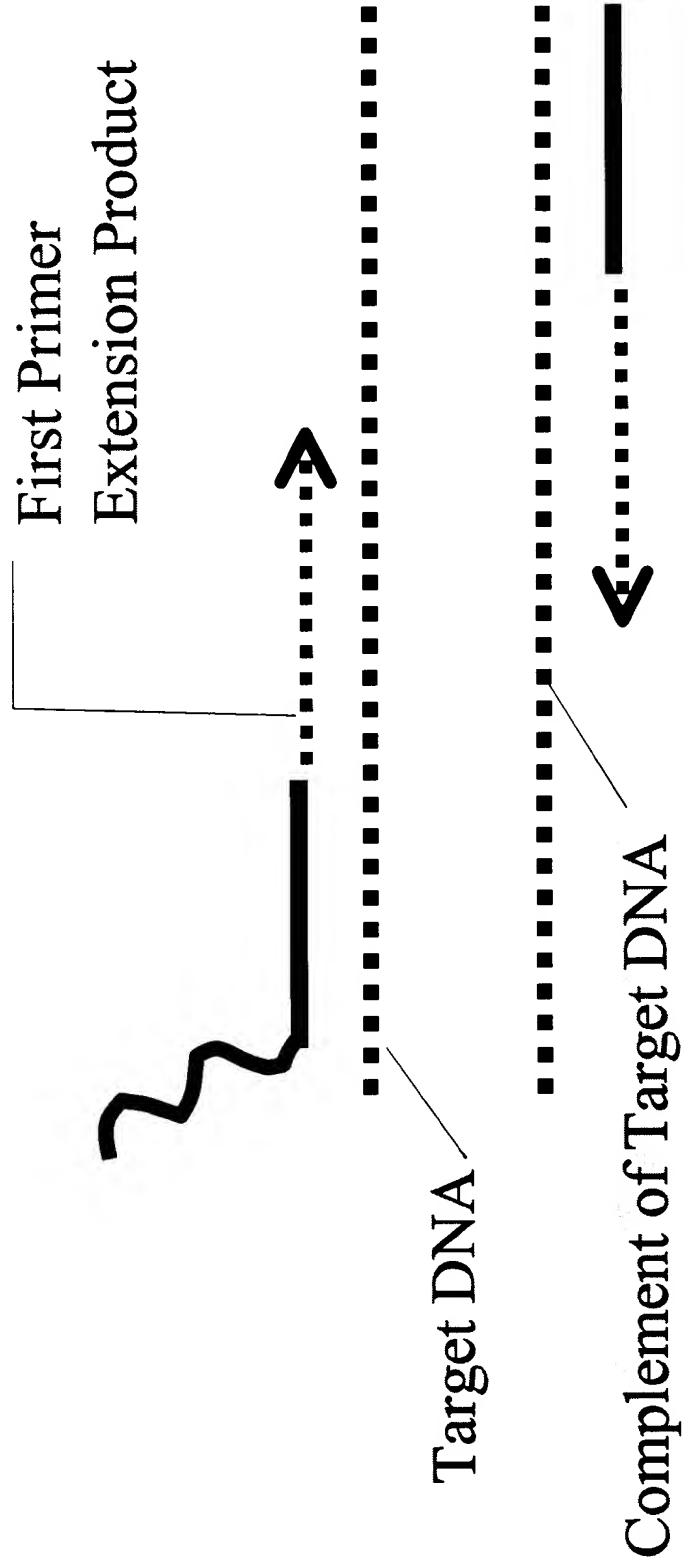
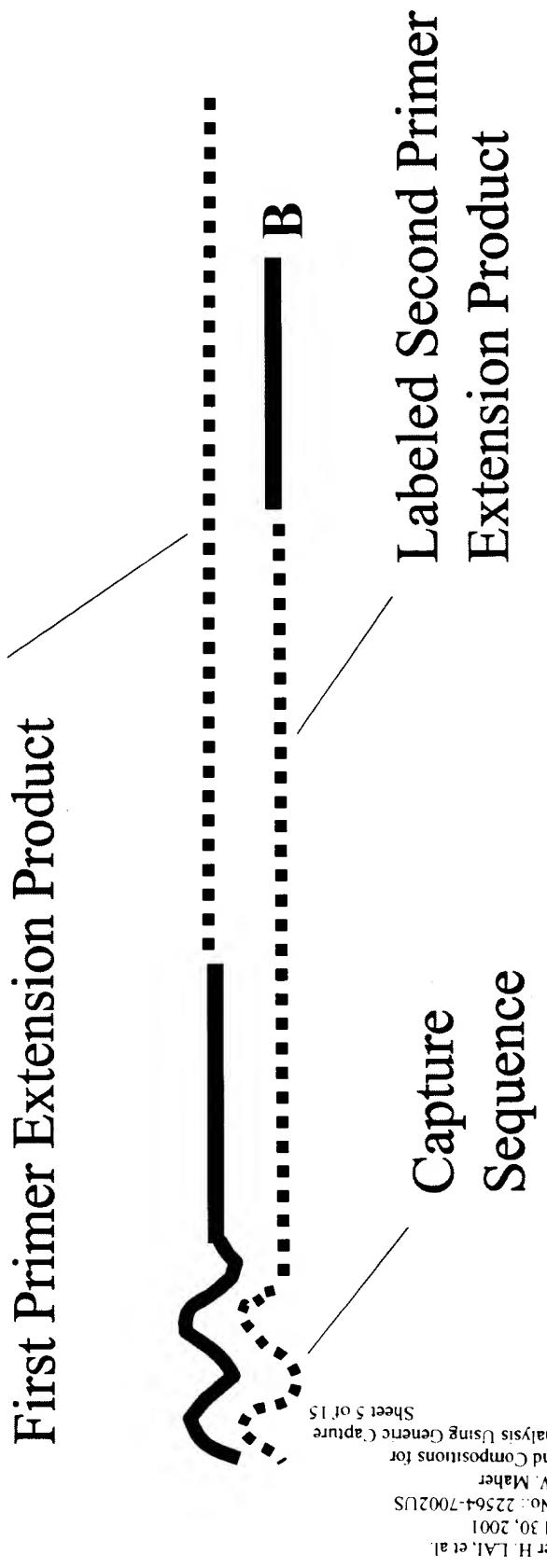


Figure 4

# Figure 5



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Attorney: David W. Maher  
Title: "Methods and Compositions for  
Polymerotide Analysis Using Generic Capture  
Sequences"  
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Title: "Methods and Compositions for  
Polynucleotide Analysis Using Generic Capture  
Sequences" Sheet 6 of 15

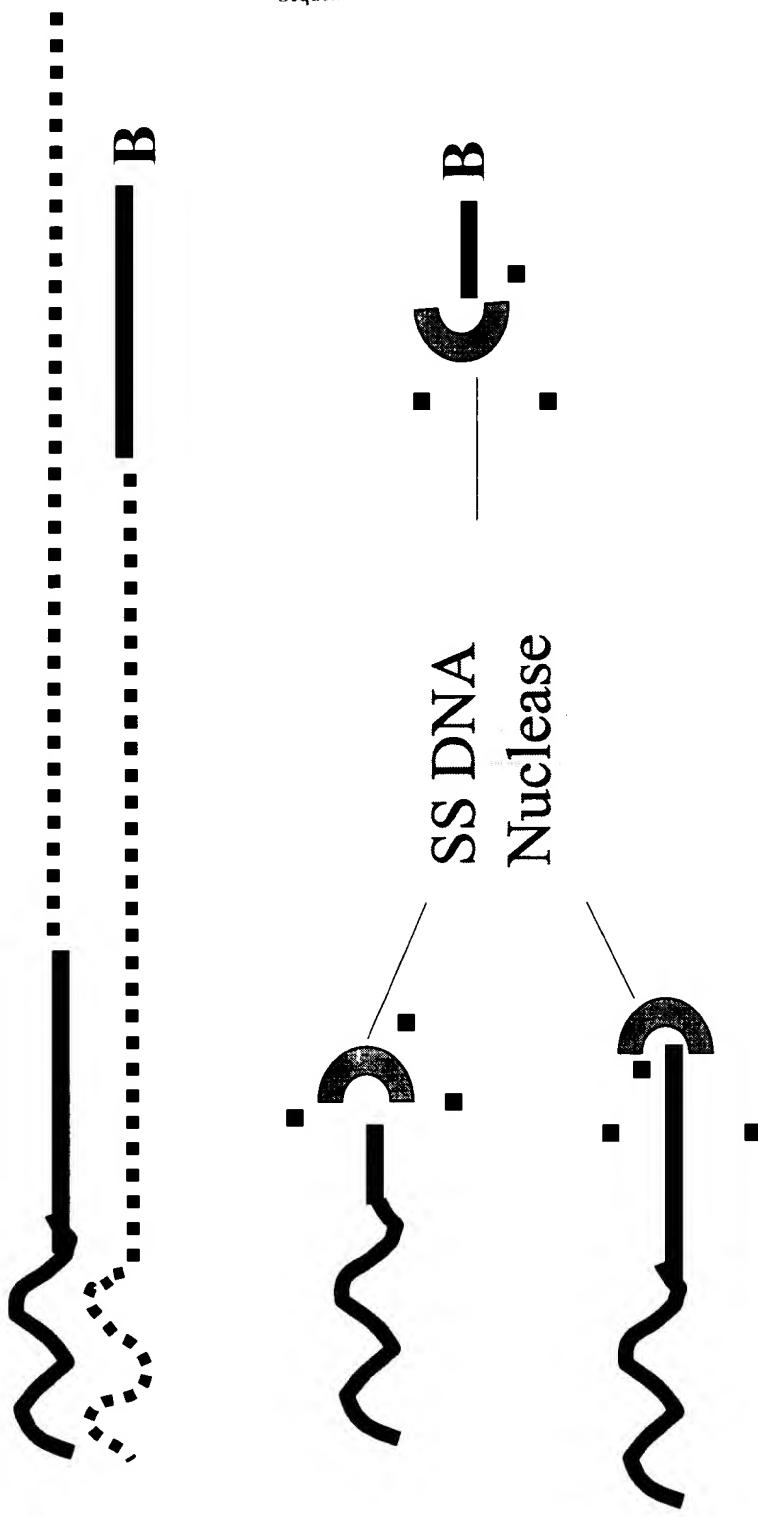


Figure 6

Inventors: Jennifer H. LAI, et al.  
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Attorney Docket No.: 22564-7002US  
Attorney: David W. Maher  
Title "Methods and Compositions for  
Polynucleotide Analysis Using Generic Capture  
Sequences" Sheet 7 of 15

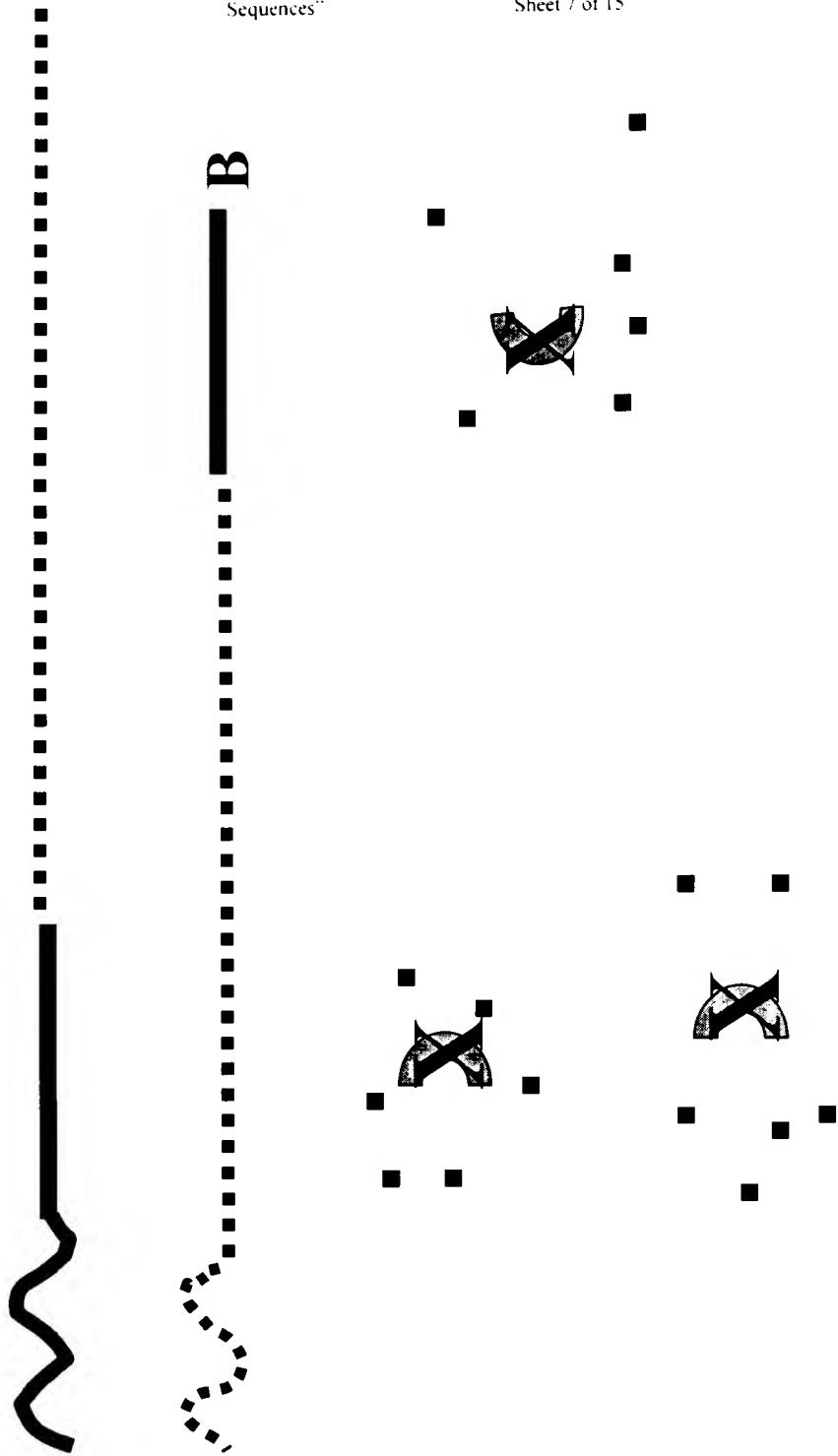
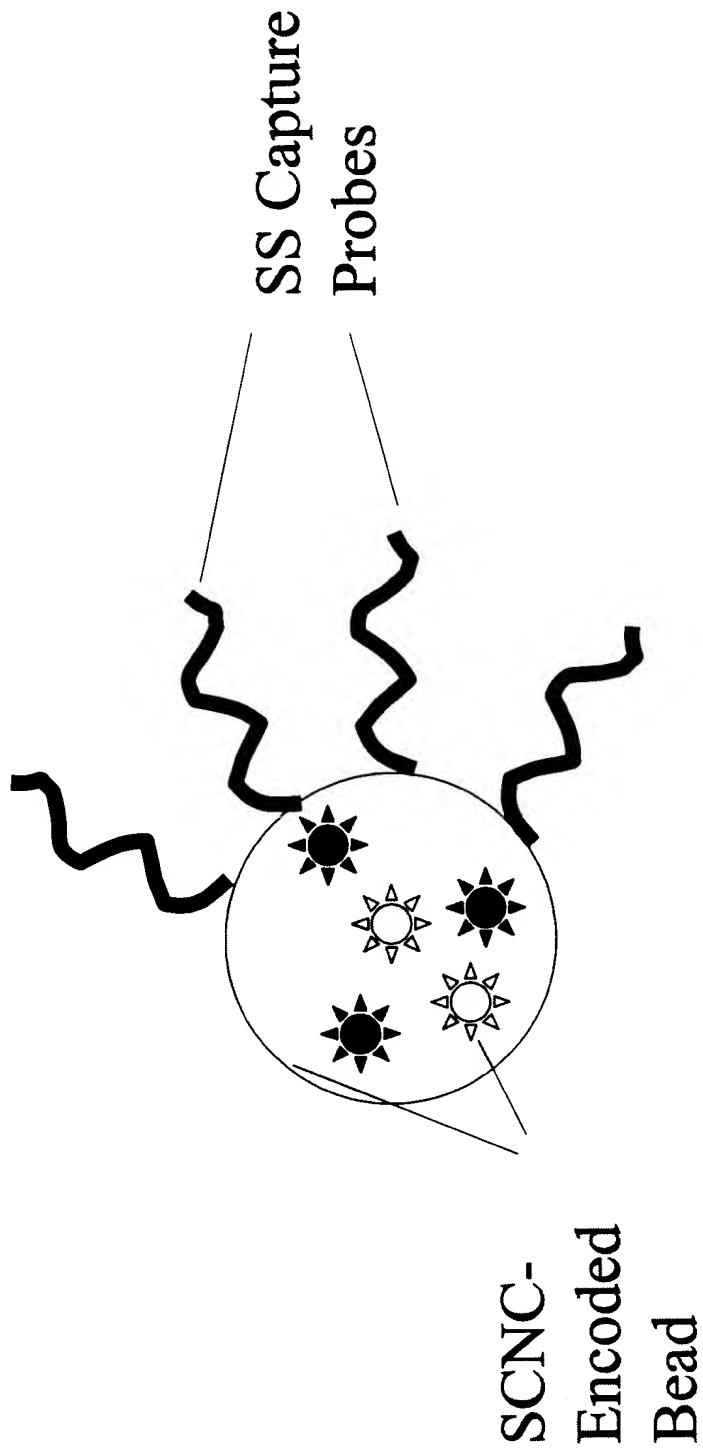


Figure 7

Figure 8



Inventors: Jennifer H. Lai, et al.  
Filing Date: April 30, 2001  
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Title: "Methods and Compositions for  
Polymeride Analyses Using Generic Capture  
Sequences"  
Sheet 8 of 15

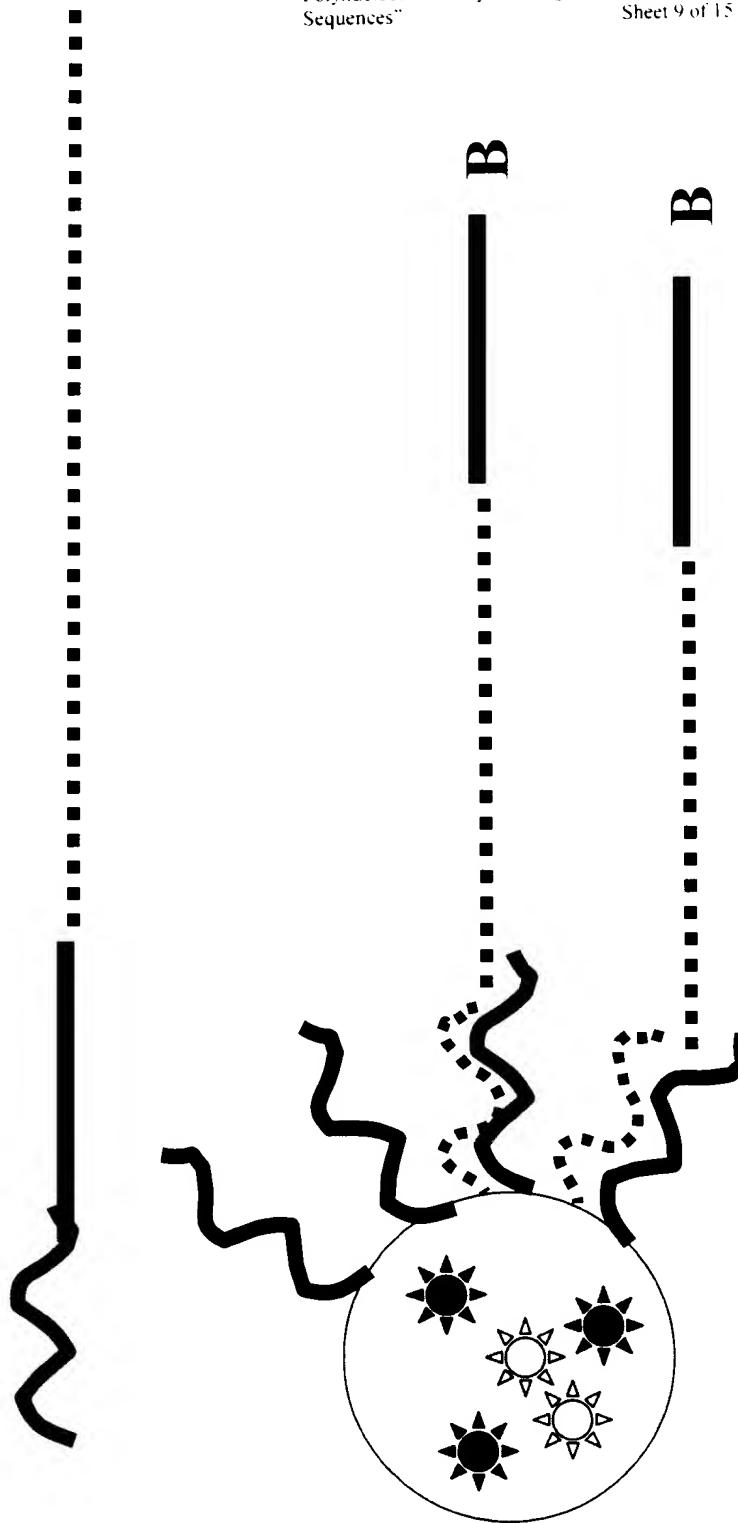
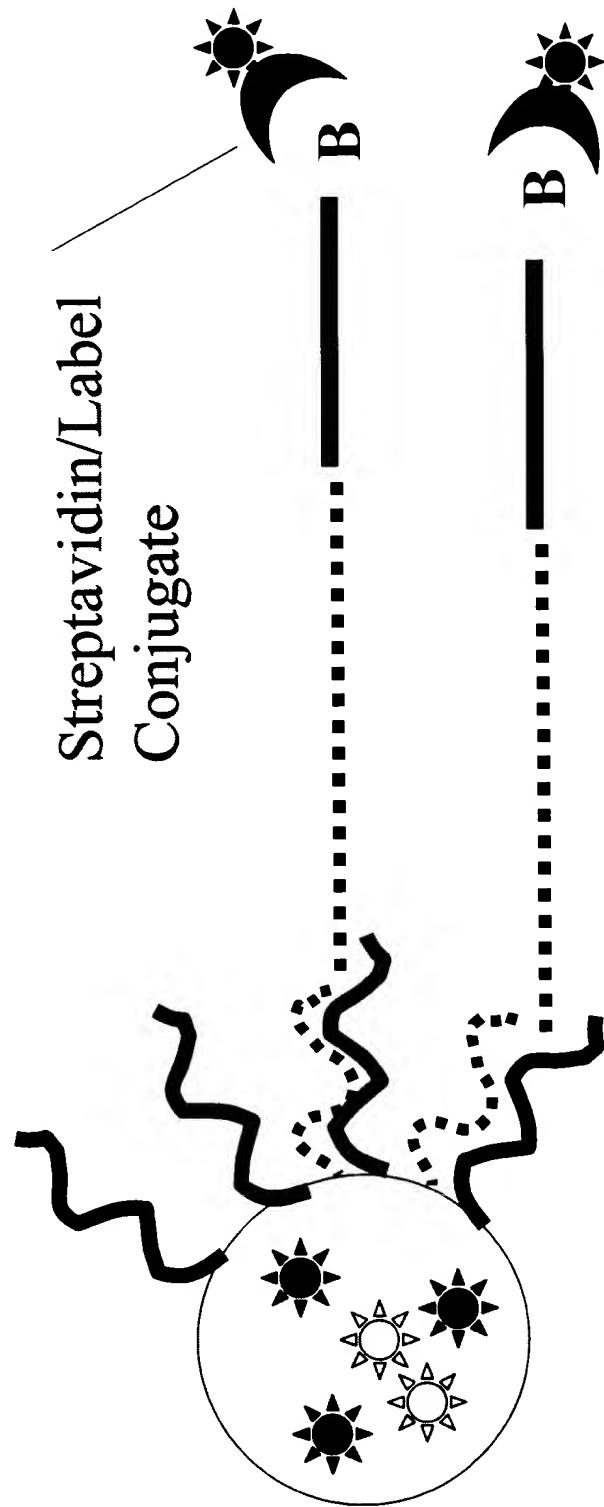


Figure 9

Figure 10



Inventors: Jennifer H. Lai, et al.  
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Application No.: 22564-7002US  
Title: Methods and Compositions for  
Automated Polymucleotide Analysis Using Generic Capture  
Schemes  
Sheet 10 of 15  
Sequence(s)

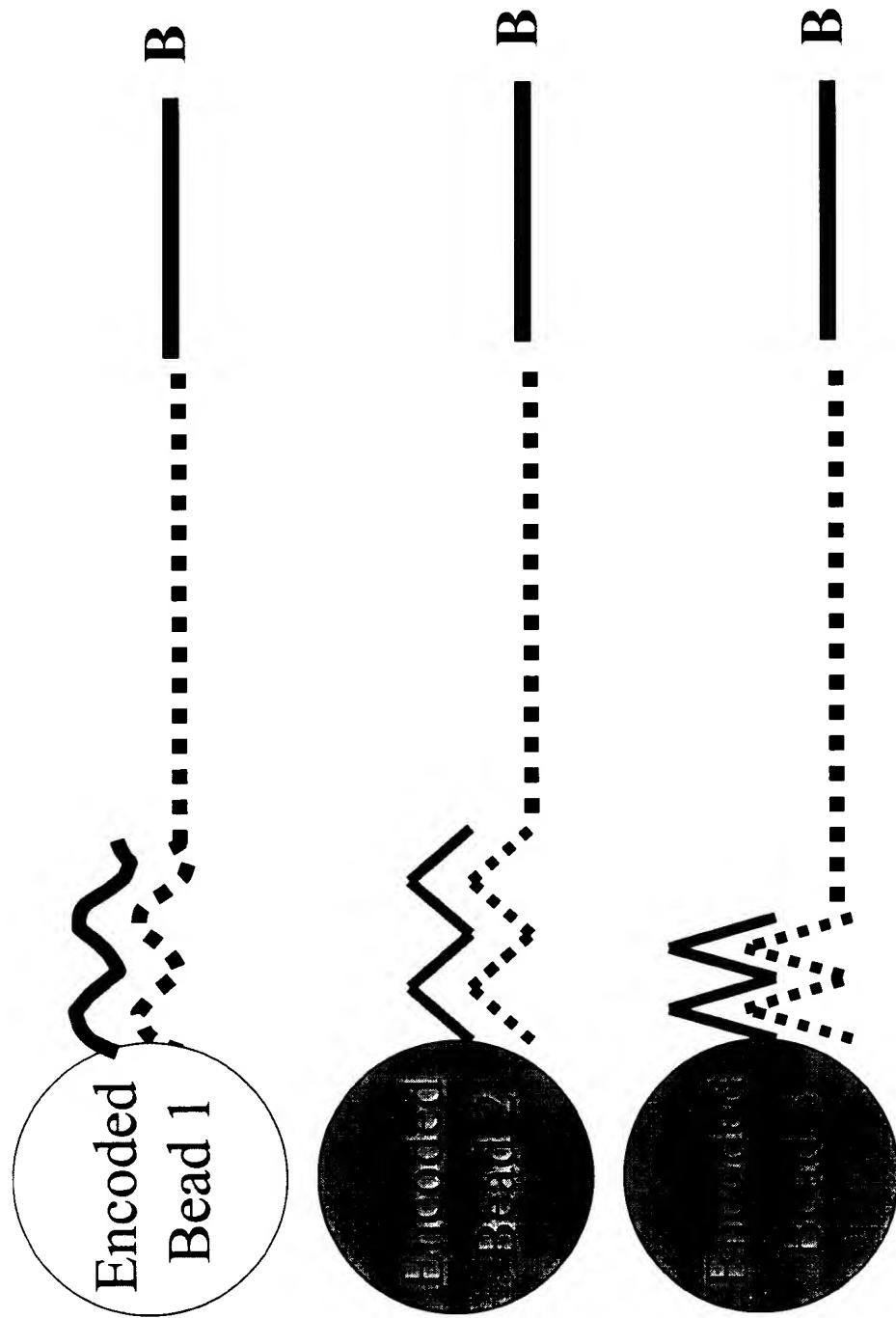


Figure 11

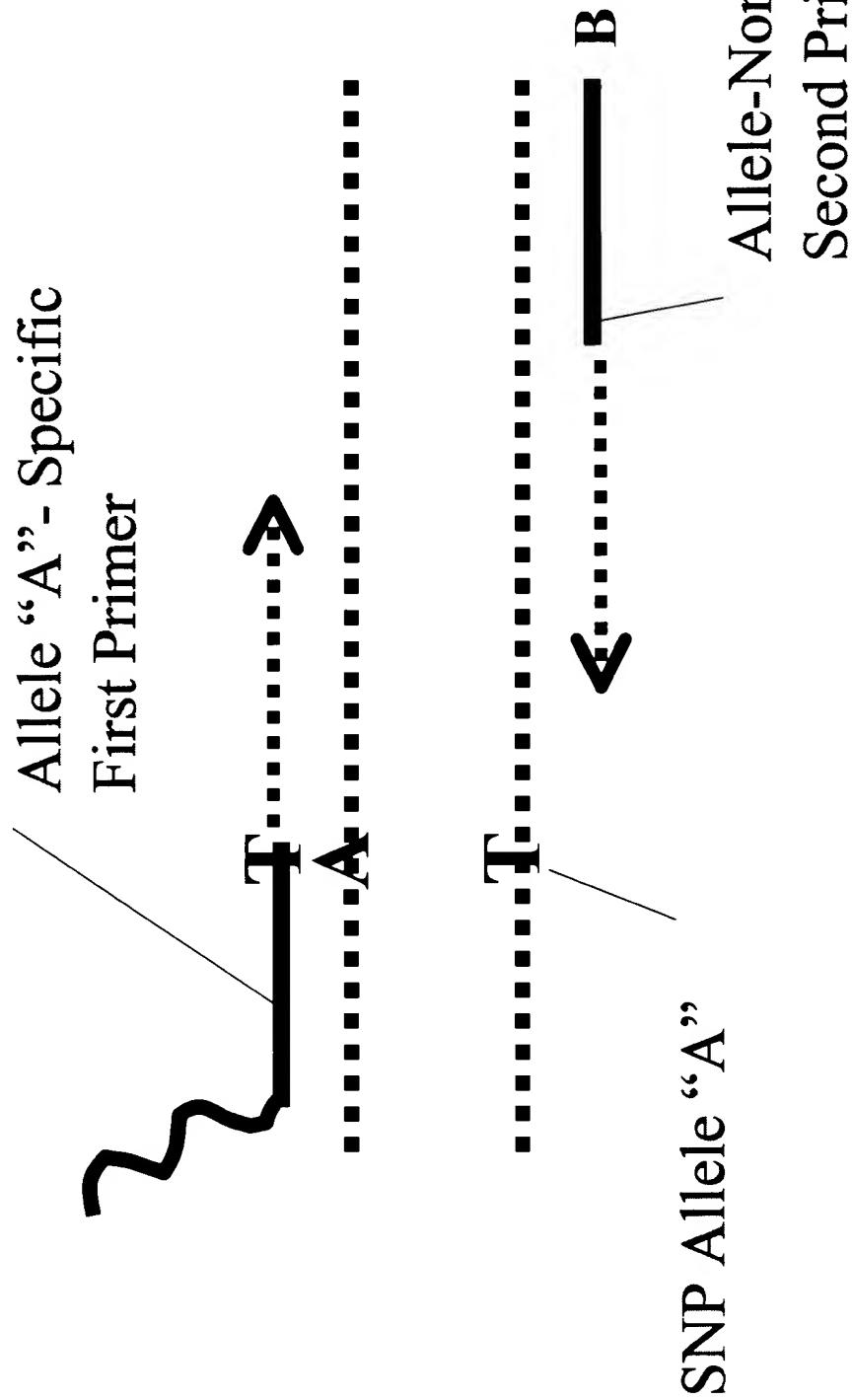


Figure 12

Figure 13

The diagram illustrates a sequencing gel lane. On the left, the text "Allele ‘A’ - Specific First Primer" is written vertically. On the right, the text "SNP Allele ‘B’" is written vertically. The gel lane shows a sequence of bases: T, X, G, followed by a series of dashed lines representing sequencing. A bracket on the left indicates a "Mismatch-no primer extension". A bracket on the right indicates "SNP Allele ‘B’". A large arrow points from the sequence "T X" towards the "SNP Allele ‘B’" bracket, indicating the mismatch.

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Sequences" Sheet 14 of 15

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## Primer B

Template

Primer A

A

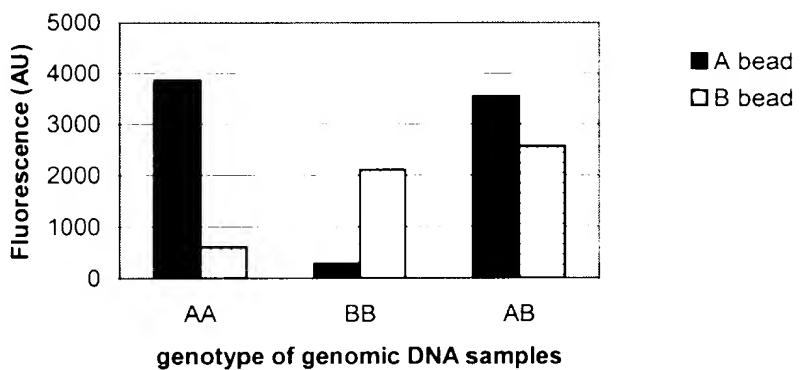
T X

4

## SNP Allele “B”

Figure 14

**Hybridization of Tagged Amplicon from  
genomic DNA samples to Linear Oligos on  
Beads**



**Figure 15**